



Inventor(s): Miyata, Toshio
Title Megsin Protein
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Figure 1

exon II

megsin	ATTGATAAGgtcag (SEQ ID NO: 35)	tacagTTGCTTCAT (SEQ ID NO: 36)
PAI2	ATGGCCAAGgtgag (SEQ ID NO: 47)	tgcagGTGCTTCAG (SEQ ID NO: 48)

exon III

megsin	AATAGTCAGgtaaa (SEQ ID NO: 37)	aacagTCAGGGCTC (SEQ ID NO: 38)
PAI2	ATTTTGCAGgtatc (SEQ ID NO: 49)	tcaagGCACAAGCT (SEQ ID NO: 50)

exon IV

megsin	TTTCATAAGgtaag (SEQ ID NO: 39)	tatagGACTACATT (SEQ ID NO: 40)
PAI2	TTCCGGGAAgtaag (SEQ ID NO: 51)	aaaagGAATATATT (SEQ ID NO: 52)

exon V

megsin	ACATGgtgag (SEQ ID NO: 41)	aaaagGCAAA (SEQ ID NO: 42)
PAI2	CAAACCAAAGgtaaa (SEQ ID NO: 53)	ctgtagGCAAAATCC (SEQ ID NO: 54)

exon IV

megsin	CCAAGgtatg (SEQ ID NO: 43)	ttcagTGCTC (SEQ ID NO: 44)
PAI2	GTAAACTCGgtatg (SEQ ID NO: 55)	attagGCTCAGCGC (SEQ ID NO: 56)

exon IV

megsin	CTGAAGtaag (SEQ ID NO: 45)	tacagATTGA (SEQ ID NO: 46)
PAI2	TTGGAGCTGgtaag (SEQ ID NO: 57)	tgcagCTGGAAAGT (SEQ ID NO: 58)



Figure 2

• Promoter region 1431 bp (-1431~-1)
(SEQ ID NO: 2)

-1431

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a ctttatatcc tcagtaggta agaaatacaa aggatatggg attcaaaata -1381
ttcagcctat gaacactgca attagaatat ggagaacagg gaatccattt gtaggctcat -1321
ttttttttta tattaacaac aaccttctcc ttcagaaagt tcaccacaac tgctaaatca -1261
aaattaaatt tcagggattt tctgcaactt tacttttctc tatgattatt catctcataa -1201
acaatcatgg aggtgagcaa taactacttt attcgatttt ggataagtta acaggacccc -1141
cttcttcctg ggaaggaggc aaaattgcac aaaattgaga ggcgagcaac tgtaagatga -1081
tggtaccttc taattccaat agctttttac aatagagaac ccagttactt ggataaatgt -1021
tggtgttact ttgaaaaca ctcaggcaga aggaccaggc ttgcagtcatt ttccatgcat -961
agcaggtgaa ggtaggtgca acatacagct caacctcatg atgctacggc cagaaactga -901
aatgtgtttt tgcccctgtg tggcatgttc tgatggcaaa ggtgtaggca accaactagg -841
cccaacctac ctttccctac acctggtcac ttttcaaagt gcaaaccac ttaacaaac -781
tctagcctgt attataggag gaaggatctg ggtggtgcag acgtggcttt ccattgccag -721
atcagaaggg tggaggagag actggcagga tgacaagaat gaatgaacac accaagtctc -661
agctcctatc tgaagctgct cagttcaggt aagcatttag agaagccagt tgcaataact -601
aacagggcaa atgtttctct ggaaaattcc aagccagaga aaattgagaa aaagagggaa -541
ggatggaaag cagtacaaag agaagccagc tcaaaagggt agaggtccag atgaaaatct -481
gagattggag aatgataaaa aacatttgtt gagattctat tttaggctcat tatgctaggg -421
aaattttacac aggatagggg tgaaagaaat taggctataa gatgagtggc aagttgcaat -361
aaaatggcac cctaaactca ccaagtcact gttgtcactg ctatcttgcc ttagttgatt -301
tgatgtctag ttagtctatt tgtgtgtttc tcacagaaga gtatgtcttg acccaggctg -241
acagatactg ttgattctga aatttgtttt tatggttatg ttaaaacat tgctattata -181
agaaacagag atgggaatat tgccctctga aatctgattc acatacaaac tgaatgaact -121
acataacaac caccttagtc agatactact ttgaaacctg gttcaaaacc taaatgctta -61
taagarrrctt gagagacagt gctgtgctct gagtcatagg gaagccatcc cagaagccag -1

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• 5'-Untranslated region (5'-UTR) 181 bp (+1~+181)
(SEQ ID NO: 3)

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gtctacttat caataagcag ctgcctgtgc agagtgcagg ctgcaccttt ggacagcctt 60
taaaactgaa ttctcagaat tttagaacaa atttttgtct agaaatgctg actttggttc 120
attaggtagt ggtaaaacag gctcccttcg aagctctcct tcatcacctt cctaagtgca 180
t 181

```



Figure 7

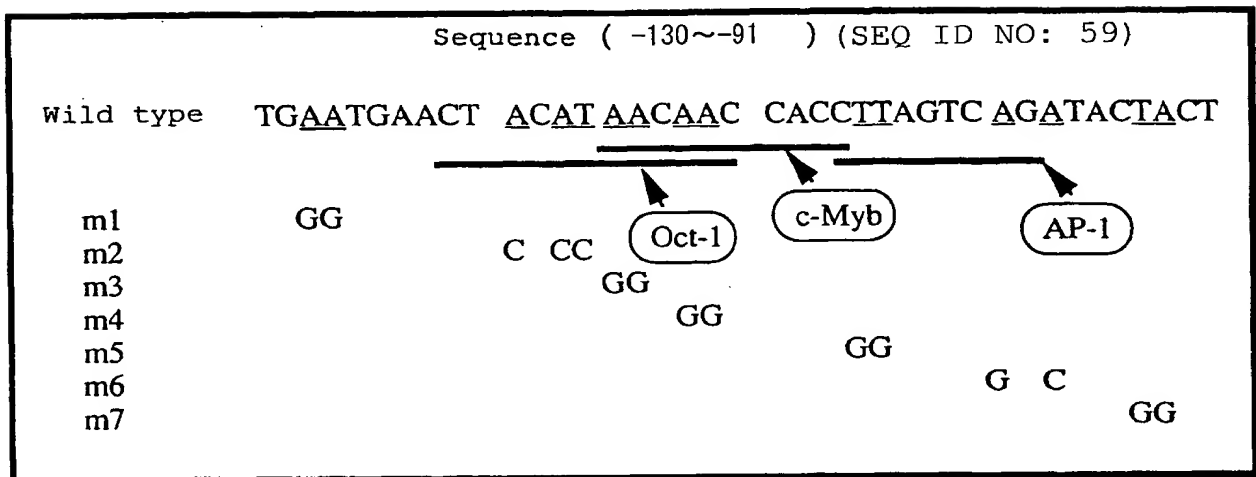
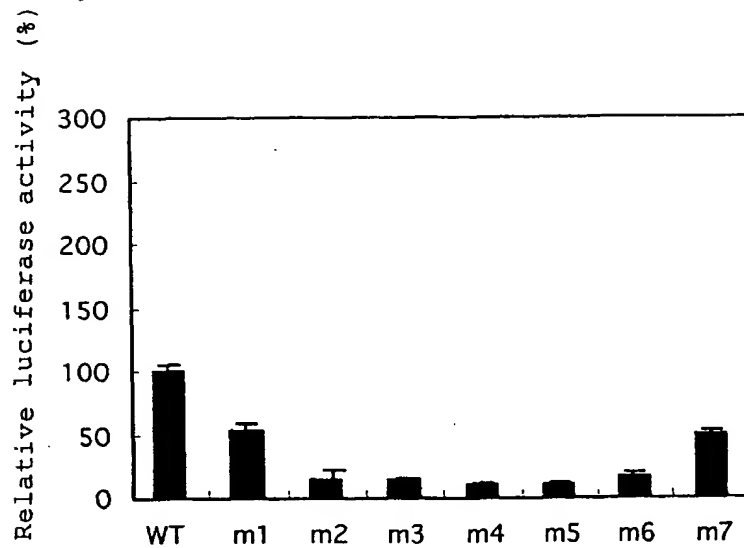




Figure 8

